Miscellaneous (Continued)

sawed creosoted yellow pine and 11,200 ft. corrugated culvert metal. R. W. Gearhart, Marion, co. engr.

Bridge Material—Onawa, Ia.—Feb. 20, by Auditor Monona Co., furnishing 5 cars fir bridge plank and 1 car cypress piling. M. T. Kneale, Onawa, co. engr.

Culverts, etc.—Osceola, Ia.—Feb. 23, by Auditor Clarke Co., 38 box culverts and 8 extensions, 1,136.5 cu.yd. rein.-con. V. J. Brown, Osceola, co. engr.

Road Maintenance Machine—Stillwater, Minn.—March 6, by J. F. Kilty, aud. Washington Co., one power road-maintenance machine.

Grand Stand, etc.—Kansas City, Mo.—Osborn Eng. Co., 2848 Prospect Ave., S. E., Cleveland, O., taking bids 1 deck rein.-con. and steel grandstand, 18,000 capacity, 2 story, 30 x 65 ft., brick and stone office building, also grading work, 20th and Brooklyn Sts., here, for Kansas City Baseball Club, c/o G. Muehlebach, 18th and Walnut Sts. Noted Jan. 4.

Levee—Whitham, Mo.—See "Excavation, Drainage, Irrigation."

Electrical Distribution System — Venice, Calif. — Feb. 20, to vote on $100,000 bonds for electrical distributing system.

Supplies—Ottawa, Ont.—Feb. 20, by Bd. Control, furnishing asphalt, asphalt filler, brasswork, broken stone, castings, c.i. pipe, cement, draughting supplies, lead pipe, pig lead, plank and cedar, sand, service posts, special pipe castings, valves, vitr. clay or cement sewer pipe, road oils, fuel oil, refined tar and meters. $200,000. A. F. Macallum, city engr.

Supplies—Toronto, Ont.—Taking bids treated wood blocks, sand, portland cement, gravel, mineral dust or filter, rubble stone, iron, steel, etc. $150,000. R. C. Harris, city engr.

BIDS RECEIVED

Park—Astoria, N. Y.—Park Bd. at office Dept. Parks, Municipal Bldg., New York, opened bids Feb. 8, improving Astoria Park, here, from T. Di Roma, 33 Evelyn Pl., New York, $111,903; G. Williamson, 46 West Bway., New York, $116,580; Benedetto & Sanssez, $116,647. Noted Feb. 1.

CONTRACTS AWARDED

Motor Trucks—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., furnishing and delivering twenty-one 3 to 3½ ton motor trucks, to White Co., Thompson Ave., $95,865. Noted Feb. 1.

Structural Steel — New York, N. Y. — Transit Comn., 49 Lafayette St., furnishing and erecting 1,360 ton structural steel incl. 1,920 ton sheet steel piling, for 3rd addition to shops at Lenox Ave. and 148th St., to McClintic Marshall Co., 50 Church St., $293,888. Engrs. est. $294,000. Noted Feb. 8.

Tar Road Oil, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., furnishing and delivering 200,000 gal. tar road oil and 50,000 gal. bituminous surfacing material, to Barrett Co., 17 Battery Pl., $20,900 and $8,250 respectively; 6,000 cu.yd. broken trap rock stone, to New York Trap Rock Corp., 101 Park Ave., $29,640; 4,000 cu.yd. binder stone, to Calvin Tompkins Co., 30 Church St., $7,720; 1,000 ton limestone dust, to E. Meyer Co., 25 Church St., $5,800; 4,000 bags Portland cement, to T. J. Mallette, Inc., $29,000; 6,000 cu.yd. sand grits and 3,000 cu.yd. hard ashes, to Ames Building Material Co., 3437 Kingsbridge Rd., $14,880 and $2,220 respectively; 1,000 cu.yd. fine sand, to Gallagher-Shand, Inc., 420 East 105th St., $1,750. Noted Feb. 8.

Street Sweeper — Watertown, N. Y. — Street sweeper, to Austin Western Road Mchy. Co., 400 North Michigan Ave., Chicago, $7,000. Noted Jan. 11.

Pipe Line—Curtis Bay (Baltimore P. O.) **Md.**—Amer. Oil Co., American Bldg., Baltimore, vitr. pipe line to oil tanks, here, to Whiting-Turner Constr. Co., Stewart Bldg., Baltimore, $15,000.

Road Oil—Monticello, Ill—Platt Co., furnishing 630,000 gal. E-3 road oil, to Standard Oil Co., 400 East Cerro Gordo St., Decatur, $5.46 per hundred gal.

Pile Driving, Crane, etc. — Aberdeen, Wash.—Port of Grays Harbor Comrs., pile driving and timber construction for 96 x 280 ft. dock, to Grays Harbor Constr. Co., Hoquiam, $40,000; (90 days); 5 ton, 95 ft. radius, Hammerhead type crane, to Colby Steel & Eng. Co., 446 Central Bldg., Seattle, $26,400; 40 ton steel rail and fittings, to Western Railway Supply Co., Northwestern Bank Bldg., $2,700.

Heating and Ventilating—Montreal, Que.—McGill University, Sherbrooke St. W., contract for plumbing, heating and ventilating for pathological building, to Garth & Co., Craig St. W., $78,500.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: March 12.

Sewers

New Castle, Pa.

Sealed proposals will be received at the office of the City Clerk, City Building, New Castle, Pa., up until 10:00 o'clock Monday morning, March 12, 1923, for the construction of the extension of the City of New Castle Main Sewer in the Seventh Ward from its present southern terminus to the site of the proposed Sewage Disposal Plant in Taylor Township. The work will consist of the construction of approximately 4840 feet of 48 in. circular sewer in open cut of which approximately 320 feet will be Class A Cast Iron Pipe, and the balance reinforced monolithic concrete, reinforced concrete pipe, or brick, as determined by the bids. In addition there will be approximately 720 feet of 10 in. vitrified pipe sewer, 880 feet of 8 in. pipe sewer of which 850 feet will be vitrified pipe and 30 feet Class A Cast Iron Pipe, a sewage ejector station complete with air compressors and 50 feet of 4 in. Class B Cast Iron force main, manholes, frames and covers and other miscellaneous work. The said work to be done in accordance with plans and specifications on file in the office of the City Engineer, New Castle, Pa., and in the offices of Fuller & McClintock, Consulting Engineers, 170 Broadway, New York City, copies of which may be had for a deposit of $10.00.

Each proposal to be accompanied by a certified check, or cash, in the sum of at least five per cent (5%) of the total of the bid submitted, which shall become the property of the City as liquidated damages in case the successful bidder fails to furnish bond and enter into a contract. Checks to be returned upon approval of the contract and bond by the City. Checks will be returned to unsuccessful bidders. A bond with approved security will be required of the successful bidder.

The City reserves the right to reject any or all bids.

C. ED. BROWN, City Clerk.

Bids: Feb. 24.

Sewerage System and Disposal Works

Cuba, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Cuba, N. Y., until 2 o'clock P.M., on the 24th day of February, 1923, for the construction of a sewerage system and sewage disposal works.

Plans may be seen and specifications obtained at the office of the Board at Cuba, N. Y., or at the office of Hopkins and Field, Engineers, 349 Cutler Building, Rochester, N. Y.

The Board hereby reserves and has the right to reject any or all bids or to accept the one that in its judgment will be for the best interests of the Village.

A surety bond satisfactory to the Board and in amount of $25,000 will be required of the one to whom the contract may be awarded.

A certified check, made payable to the order of the Board of Trustees, Cuba, N. Y., to the amount of $2,000 must be deposited by each bidder and accompany his bid as a guarantee that in case the contract is awarded to him, he will, within ten days thereafter, execute such contract and furnish his bond.

Bids must be sealed and addressed to the Board of Trustees, Cuba, N. Y., and marked on the outside of the envelopes "Proposal for Sewerage System and Disposal Works."

H. W. EVANS, President.
A. O. RENWICK, Trustee.
H. J. DEMCEY, Trustee.
H. M. SETCHEL,
Village Clerk.
Dated: Cuba, N. Y.,
Jan. 27th, 1923.

OFFICIAL PROPOSALS

Bids: Mar. 7.

Additions to Montebello Filters

Baltimore, Md.

Sealed proposals, in duplicate, endorsed, "Bids for Additions to Montebello Filters, Contract No. 63, Water Department," addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Md., until 11 A.M., Wednesday, March 7th, 1823, at which time they will be publicly opened and read.

Plans and specifications may be obtained at the office of the Water Engineer, Room 204, City Hall, Baltimore, Md., on or after February 17th, 1923. A charge of twenty-five (25) dollars will be made for each set of plans and specifications; this amount will be refunded upon the return of these plans and specifications before March 14th, 1923, in good condition. Specifications used in making a bid will be considered as returned. Blueprints will be furnished to prospective bidders only upon written request, at 25 cents each, which amount will not be refunded.

A certified check of the bidder on a clearing house bank, made payable to the Mayor and City Council of Baltimore, for the sum of thirty-five (35) thousand dollars, will be required with each bid.

The principal items are approximately as follows:

Excavation, 365,000 cu.yds.
Rolled embankment, 74,000 cu.yds.
Concrete, 45,400 cu.yds.
Steel reinforcement, 3,760,000 pounds.
Setting cast iron pipe, valves and sluice gate, 800 tons.

The successful bidder will be required to give bond equal in amount to the value of the contract to comply with the city charter respecting contracts.

The Board of Awards reserves the right to reject any or all bids.

Approved: WM. A. MEGRAW,
Water Engineer.

Bids: Mar. 2.

Sewer

No. 100

Milwaukee, Wis.

Sealed proposals for the construction of extensions to the intercepting sewer system of the City of Milwaukee, Wis., will be received by the Sewerage Commission of the said City at its office, 508 Market Street, Milwaukee, Wisconsin, until 1:30 p.m., the 2nd day of March, 1923, at which time and place during the session of the said Commission, the proposals will be publicly opened and read.

The work to be done embraces the building of the following work:

4,220 lineal feet of 42" concrete sewer.

Together with all manholes and other appurtenances.

The time allowed for the completion of this contract shall be six (6) months from the date of the Engineer's notice to begin work.

The liquidated damages for not completing the work within the time above stated shall, for each day in excess thereof, be Twenty-five ($25.00) Dollars.

Each proposal submitted must be accompanied by a cash deposit of, or, in lieu thereof, by a certified check drawn upon a National or State Bank or Trust Company, and to the order of the "Sewerage Commission of the City of Milwaukee" to the amount of Two Thousand ($2,000.00) Dollars.

Specifications and blank forms of proposals can be obtained and detailed plans examined at the office of the Sewerage Commission, 508 Market Street, and a full set of plans will be sent to any contractor upon receipt of five (5) dollars. This sum will be returned upon surrender of the plans in good condition within thirty (30) days after award of the contract.

The Sewerage Commission of the City of Milwaukee reserves the right to reject any and all bids submitted.

Published by authority of the Sewerage Commission of the City of Milwaukee.

JOHN H. FOWLES,
Secretary.

Countersigned:
LOUIS M. KOTECKI,
Comptroller.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Feb. 28.

State Hospital Work

Middletown, N. Y.

Sealed proposals for Sanitary Work—Additional Fire Protection and Water Supply, at the Middletown State Homeopathic Hospital, Middletown, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock P. M. on Wednesday, February 28, 1923, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of each proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of the contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 4037, Proposals Nos. 1 and 2. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Middletown State Homeopathic Hospital, Middletown, N. Y., at the New York Office of the Department of Architecture, Room 1058, 25 Broadway; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: February 2, 1923.

Bids: Feb. 21.

Main Sanitary Sewer—East Side

Ashtabula, Ohio.

Sealed proposals will be received at the office of the City Manager in the City Hall, Ashtabula, Ohio, until 12 o'clock noon, Eastern Standard Time, February 21st, 1923, and then publicly opened and read, for the construction of an East Side Main Sanitary Sewer.

The following quantities give a general idea of the amount and character of the work to be done:

7,800 lin.ft. 15" to 27" Vit. Pipe Sewer.
2,100 lin.ft. 42" Sewer.
2,000 lin.ft. Sewer in tunnel.

Copies of plans and specifications and blank proposals may be obtained at the office of the City Engineer, City Hall, Ashtabula, Ohio, or at the office of George B. Gascoigne, 648 Leader News Building, Cleveland Ohio, after February 10th, 1923. A charge of $10.00 will be made for each set of plans and specifications. All checks for said plans and specifications shall be made payable to the City Treasurer of Ashtabula, Ohio.

The City of Ashtabula, Ohio.
W. M. COTTON,
City Manager.

Bids upon approximately two miles of storm drains averaging about 54" in diameter will be received about the middle of March, 1923.

Silver Tongued oratory may cloak an excuse, but results delivered leave no room for argument. Swart service really serves.

HARMON V. SWART
Contract Bonds
Compensation Insurance
92 William St., New York

OFFICIAL PROPOSALS

Bids: Feb. 26.

Sanitary Sewer System and Sewage Disposal Plant

Blasdell, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Blasdell, Erie County, N. Y., until 8 p. m., Feb. 26th., 1923, at the office of the Village Clerk in said Village, for the construction of sanitary sewers and for the construction of a sewage disposal plant.

Plans and specifications and forms of contract may be seen at the office of the Village Clerk or at the office of Frederick K. Wing Company, Engineers, 1314 Prudential Building, Buffalo, N. Y.

The Board of Trustees reserves the right to reject any and all bids, or to accept the bid for sewers or for sewage disposal plant separately—whichever way in its best judgment, it deems best for the interests of the village.

A bond amounting to 50% of the contract, will be required of the successful contractor or contractors.

Each proposal must be accompanied by a certified check in the sum of at least 3% of the amount of the bid. Checks are to be made payable to the order of W. F. Salisbury, Village Treasurer, and said checks become the property of the Village, as liquidated damages, in case the successful bidder fails to furnish the bond and enter into a contract within five days after notice from the Board of Trustees so to do.

Bids must be addressed to the Village Clerk, Blasdell, N. Y., and must be marked on the outside, "Proposal for Sewers" or "Proposal for Disposal Plant" or "Proposal for Sewers and Disposal Plant."

IRA DUNMIRE,
President.
FOREST F. GLEZEN,
Village Clerk.

Blasdell, N. Y.,
Feb. 6th, 1923.

Bids: March 13.

Sewerage

Matewan, N. J.

Sealed bids or proposals for the construction of Sewers and Sewage Disposal Works will be received by the Mayor and Council at the Truck House Building, Jackson Street, Matewan, New Jersey, on the thirteenth day of March, 1923, at eight o'clock in the evening.

The work mainly consists of about 6½ miles of 6 inch to 12 inch vitrified pipe sewers and an Imhoff Tank.

For any information, or explanation that may be desired regarding drawings and specifications, bidders shall apply to George A. Johnson Company, Inc., Consulting Engineers, 150 Nassau Street, New York. Drawings and specifications may be obtained from George A. Johnson Company at the price of $15, which will not be refunded.

Each bid must be accompanied in a separate envelope by a certified check in the amount of seven thousand dollars ($7,000) for schedule number one, three thousand dollars ($3,000) for schedule number two, and a bond guaranteeing that if the proposal of the bidder is accepted and the contract awarded to him or them, the said bidder will enter into the said contract and execute the necessary instruments therefor, and upon the execution of said contract the said Surety Company will become surety on said bond guaranteeing the performance of the same.

The Borough reserves the right to accept any bids or to reject any or all bids.

WILLIAM H. SUTPHIN,
Mayor.

OFFICIAL PROPOSALS

Bids: Feb. 26.

Highway Bridge

Massena, N. Y.

Sealed proposals will be received at the office of the Town Clerk of the Town of Massena, New York until 2:00 P. M., on February 26th, 1923, and at that time publicly opened and read, for furnishing of all materials, equipment and labor necessary to construct a highway bridge over the Grasse River in the Town of Massena, New York.

The bridge will consist of a riveted steel cantilever superstructure with a concrete substructure. The superstructure will be seven hundred and sixty-five (765) feet long, consisting of two anchor arms, each one hundred and fifty-seven and one half (157.5) feet long; two cantilever arms, each one hundred and twelve and one half (112.5) feet long and a suspended span, two hundred and twenty-five (225) feet long.

The bridge will have one roadway, eighteen feet wide, and two sidewalks, each six feet wide.

The work will also require the grading of the approaches.

Proposals will be received separately for the substructure and for the superstructure.

Plans and specifications may be had at the office of the Town Board or of the Consulting Engineers, the Jarrett-Chambers Company, Inc., No. 30 East 42nd Street, New York City, upon deposit of ten dollars for superstructure plans or five dollars for substructure plans, which will be refunded when the plans are returned.

A certified check, payable to the Town Board of Massena, New York, shall be enclosed with each proposal. Checks accompanying proposals for the superstructure shall be for the sum of ten thousand dollars. Checks accompanying proposals for the substructure shall be for three thousand dollars.

The right is reserved to reject any or all proposals or to waive any informality in the proposals received.

ANDREW J. HANMER,
Supervisor,
FRANK A. HOUGH,
Town Clerk.
Massena, N. Y.
JARRETT-CHAMBERS COMPANY, INC.
Engineers,
New York.

Bids: Feb. 21.

Combined Garbage Incinerator Plant

Sea Cliff, N. Y.

Sealed proposals will be received by the Board of Trustees of the Incorporated Village of Sea Cliff, Nassau County, New York, at the Village Offices in said Village until Wednesday evening, February 21st, 1923 at 8 o'clock p.m., for the construction of a Combined Garbage Incinerator Plant and Storage Building in the Incorporated Village of Sea Cliff, for the disposal of ashes, garbage, etc.

Specifications covering the work may be obtained upon request of the Village Clerk, Sea Cliff, New York.

The Board of Trustees reserves the right to reject any and all bids.

By order of the Board of Trustees,
RUTH H. BRANTHWAITE, Clerk.
Dated Sea Cliff, N. Y. January 29, 1923.

OFFICIAL PROPOSALS

Bids: Feb. 28.

Lock and Dam Construction of the Illinois Waterway Contract No. 2

Chicago, Ill.

1. Sealed proposals for the construction of STARVED ROCK LOCK AND DAM, located in the Illinois River, two miles above Utica, and seven miles below Ottawa, La Salle County, Illinois, will be received at the office of the Director of the Department of Public Works and Buildings, Division of Waterways, Room 122, State House, Springfield, Illinois, until Ten (10) o'clock A.M., Central Standard Time of the 28th day of February, 1923, and then publicly opened and read.

2. Copies of the plans, specifications, proposal blank, form of bond, and contract may be obtained by prospective bidders at the Office of the Department, Room 1404, 25 East Jackson Boulevard, Chicago, Illinois, upon depositing a check for Ten Dollars ($10.00), made payable to the Director of the Department of Public Works and Buildings, which sum will be returned within ten (10) days after the contract has been awarded, if the plans are returned in good condition within that time.

3. Each proposal shall be accompanied by a certified check or draft drawn on some responsible bank doing business in the City of Chicago, and made payable to the order of the Director of the Department of Public Works and Buildings, for five (5) per cent of the amount of the proposal. In lieu of a certified check or draft, the proposal may be accompanied by a bond executed in the form prescribed by the Department of Public Works and Buildings and with a surety company approved by the Department in the penal sum of ten (10) per cent of the amount of the proposal.

4. The Department of Public Works and Buildings reserves the right to reject any or all bids. The contract, if let, will be awarded to the lowest responsible bidder.

C. R. MILLER,
Director, Department of Public Works and Buildings.
WILLIAM L. SACKETT,
Superintendent of Waterways.
M. G. BARNES,
Chief Engineer,
Division of Waterways.

Bids: Feb. 22.

Levee Work

Beardstown, Ill.

1. Sealed bids will be received by the Commissioners of the South Beardstown Drainage and Levee District, of Cass County, Illinois, at the First State Bank, at Beardstown, Cass County, Illinois, up to the hour of two o'clock in the afternoon of the 22nd day of February, A. D., 1923, at which time and place said bids will be publicly opened.

2. The work for which bids are asked is the furnishing and erecting of the following:

(a) Raising and widening the levee from Station 0 to 18 by hauling in sand, approximately 14,000 cubic yards.

(b) Raising and widening the levee from Station 18 to 67 by dredge or dry land machinery, approximately 32,000 cubic yards.

(c) Raising and widening the levee from Station 67 to 329 by dredge boat work, approximately 120,500 cubic yards.

(d) Emmerson slough improvement. Filling the upper end of Emmerson slough.

(e) Borrow pit improvement, by closing the channel at certain points with earth embankments.

L. B. KINSEY,
Civil Engineer.
Pekin, Ill.

Proposal Ads
for the Feb. 22 issue should
be in our hands not later
than
11 A. M., Monday,
February 19th.
Earlier closing for press
due to holiday, Feb. 22.

OFFICIAL PROPOSALS

Bids: Feb. 27.

Drilling Well

Canton, Ill.

Notice is hereby given by the Fire and Water Committee of the City Council of the City of Canton, Illinois, that they will at three (3) o'clock on the 27th day of February, 1923, receive bids for the drilling of a well sixteen hundred and fifty (1,650) feet in depth and also for the purchase of the necessary casing and fittings for said well. Detailed information may be secured from Mr. E. F. Motsinger, City Engineer, Canton, Illinois.

A Bonding Company's Suggestion to Official Proposal Advertisers

"A large part of our contract bond business is submitted to us by wire, and I am a constant reader of the Official Proposals in order to find out the size and nature of the work that is referred to in the bond application. Very frequently I am unable to get any clear idea of what the advertisers are asking bids on, and of course the prospective bidder or contractor is also at a loss to know what kind of a job is being advertised.

"Traveling expenses are heavy at the present time, and contractors pay out considerable sums during the course of a year in investigating prospective contracts. This of course is a large charge that the owners eventually pay, and anything that will reduce the general overhead of contract work will eventually be to the advantage of the owner.

"One way to reduce this overhead is to word the advertisement so that the contractor sitting in his office will know whether or not he should investigate and prepare a bid on the proposed work."

Bids: Feb. 21.

Sewers

Sturgis, Mich.

The City Commission of the City of Sturgis, Mich., will receive sealed proposals until 2:00 p.m. Wednesday, February, 21st, 1923, for the construction of the following sewers: 700 ft. of 54 in.; 530 ft. of 36 in.; 30 ft. of 27 in.; 50 ft. of 18 in.; 5,080 ft. of 12 in.; 3,650 ft. of 10 in.; 4,715 ft. of 8 in.; 2,000 ft. of 6 in. house connections laid from sewer to curb line; 315 lineal ft. of manholes; plans and specifications are on file in office of City Engineer. Copies of same may be secured by a deposit of $5.00. A certified check for $1,000.00 must accompany bid. Right is reserved to reject any or all bids. Further information on application. By order of City Commission, City of Sturgis, Michigan.

ARTHUR H. NILES,
City Engineer.

Hauling Contracts Wanted

Road work, Material Handling, etc. Have several fleets of trucks ready for service anywhere. No job too large. Special equipment for any kind of dump truck hauling or unloading. Unlimited references. Glad to estimate.

HAMBRIDGE CONTRACTING CO.
63th and Greenway Ave., Philadelphia, Pa.

OFFICIAL PROPOSALS

Bids: Feb. 23.

Sewer

NO. 99

Milwaukee, Wis.

Sealed proposals for the construction of extensions to the intercepting sewer system of the City of Milwaukee, Wisconsin, will be received by the Sewerage Commission of the said City at its offices, 508 Market Street, Milwaukee, Wisconsin, until 1:30 p.m., the 23rd day of February, 1923, at which time and place during the session of the said Commission, the proposals will be publicly opened and read.

The work to be done embraces the building of the following work:

1,130 lineal feet of 48" Concrete Sewer.
1,550 lineal feet of 48" Cast Iron Pipe Sewer.

Together with other appurtenances.

The time allowed for the completion of this contract shall be six (6) months from the date of the Engineer's notice to begin the work.

The liquidated damages for not completing the work within the time above stated, shall, for each day in excess thereof, be Twenty-five ($25.00) Dollars.

Each proposal submitted must be accompanied by a cash deposit of, or, in lieu thereof, by a certified check drawn upon a National or State Bank or Trust Company, and to the order of the "Sewerage Commission of the City of Milwaukee" to the amount of Twenty-five Hundred ($2,500.00) Dollars.

Specifications and blank forms of proposals can be obtained and detailed plans examined at the office of the Sewerage Commission, 508 Market Street, and a full set of plans will be sent to any contractor upon receipt of five (5) Dollars. This sum will be returned upon surrender of the plans in good condition within thirty (30) days after award of the contract.

The Sewerage Commission of the City of Milwaukee reserves the right to reject any and all bids submitted.

Published by authority of the Sewerage Commission of the City of Milwaukee.

JOHN H. FOWLES,
Secretary.

Countersigned:
LOUIS M. KOTECKI,
Comptroller.

Bids: Feb. 27.

Bridge

Trenton, N. J.

Proposals for Bridge 216.6, Washington's Crossing-Pennington Road. The Board of Freeholders of Mercer County will receive bids on Tuesday, Feb. 27, 1923, at 2:30 o'clock in the afternoon, at their regular place of meeting, Court House, Trenton, New Jersey, for constructing a steel I beam bridge encased in concrete with a clear span of 35 feet over Woolseys branch of Jacobs creek on the road leading from Washington's Crossing to Pennington.

Prospective bidders are referred to plans and specifications covering the above work prepared by Harry F. Harris, Mercer County Engineer, which plans and specifications are on file in his office at the Court House, Trenton, New Jersey. Copies of said plans and specifications may be obtained upon deposit of the sum of ten dollars, which will be refunded if the plans are and specifications are returned in good condition within 48 hours after the bids are opened.

Each bid must be accompanied by a certified check in the amount of one thousand dollars ($1,000.00) payable to Edgar G. Weart, County Treasurer, also by a proposition from a surety company fulfilling the requirements of Section 507, Chapter 185, P. L., 1918.

The right is reserved to reject any or all bids and to waive any immaterial defect or informality in any bid should it be in the interest of the County to do so.

CHARLES H. REICHERT,
Director of Department of Bridges.

ATTENTION CONTRACTORS

Sublet wanted on Sewers, Water Line and Drainages. We have complete equipment for this class of work. Our equipment consists of two **Trenching Machines, Backfiller Team and Truck,** 5½ tons and **Dragline specifications of Trenching Machine.**
DEPTH—8, 10, 14, 20 ft.
WIDTH—16, 20, 24, 32, 45, 48, 52, 78
Will accept any work in Central States
CHAS. MALLOY & CO., Bensenville, Ill.

OFFICIAL PROPOSALS

Bids: Mar. 6.

State Road Work

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia at its offices in Charleston, W. Va., until 10 o'clock a.m., on the 6th day of March, 1923, and opened and read immediately thereafter, at the Kanawha County Court House, Charleston, W. Va., for the construction of the following bridges, sections of state road and surface treatment:

Project 116—Kanawha County—Witcher Overhead Crossing No. 835—over New York Central Lines. Concrete structure, including encased steel girder over tracks. Total length 440 ft. Certified check $2,000.

Project 3039-3177—Fayette County—3.9 miles of the Gauley Bridge toward Ansted Road for grading, draining and paving with bituminous macadam. Certified check $4,000.

Project 3151-B—Boone County—4.1 miles of the Low Gap-Madison Road for grading and draining. Certified check $2,500.

Project 3041—Greenbrier County—3.1 miles of the Crawley-Clintonville Road for paving with bituminous macadam. Certified check $3,000.

Project 3180—Nicholas County—3.8 miles of the Drennen to Project 96 Road for grading and draining. Certified check $2,000.

Project 3170-B—Clay County—4 miles of the Head of Dulls Creek to Kanawha County line road for grading and draining. Certified check $2,500.

Project 121—Mercer County—16 miles of the Spanishburg-Flat Top Road for grading and draining. Certified check $11,000.

Project 3201—Lincoln County—7 miles of the Hamlin-Griffithsville Road for grading, draining and paving with bituminous macadam. Certified check for $6,000.

Project 3068—Ritchie County—9 miles of the Cairo-Harrisville Road for grading, draining and paving with cement concrete, rock asphalt, bituminous concrete or warrenite bitulithic. Certified check $10,000.

Project 3241—Ohio County—1.0 mile of the National Pike from Glenwood to Altenheim Hill. Reconstruction for paving with brick, sheet asphalt or warrenite bitulithic on concrete base. Certified check for $3,500.

Project 3132-A—Jackson County—2.5 miles of the Ravenswood-Sandyville Road for grading, draining and gravel surfacing. Certified check $2,000.

(Adjoining section 2.25 miles to be let by the Jackson County Court.)

Project 3227—0.6 miles and 3084-A—3.0 miles Wood County—Mineral Wells to Elizabeth Road for grading, draining and paving with concrete. Certified check $3,500.

(See note below.)

Project 3084-B—4.0 miles Wood County and Project 66—4.5 miles Wirt County—Mineral Wells to Elizabeth Road for grading, draining and paving with concrete. Certified check $8,500.

(See note below.)

Project 3038—2.1 miles and Project 3009-A—1.2 miles—Wirt County—Mineral Wells to Elizabeth Road, for grading, draining and paving with concrete. Certified check $3,500.

(Note: Bids will also be received for Projects 3227 and 3084-A; 3084-B and 66; 3038 and 3009-A combined, aggregating 15.4 miles for grading, draining and paving with concrete. Certified check $15,500.)

Project 3240—Roane County—3 miles of the Walton-Kanawha County Line Road, for paving with concrete. Certified check for $3,000.

Project 3081—Wetzel County—3 miles of the New Martinsville-Wileyville Road for gravel surfacing. Certified check for $1,200.

Projects 58-A and B—3092-3080—103-A and B—Tyler-Pleasants County—11.8 miles of the Sistersville-Grape Island Road for grading, draining and gravel surfacing. Certified check for $6,000.

Project 3100 — Gilmer County — Linn Bridge No. 848 over Leading Creek, 100 ft. steel through truss Ashlar Masonry substructure. Separate proposals will be received on substructure. Certified check for $500, and superstructure certified check for $500.

Project 125—Taylor County—Northwestern Turnpike, between Pruntytown-Harrison County Line 4.53 miles, grading, draining and paving with concrete. Certified check $9,000.

Project 3204—Harrison County—Northwestern Turnpike, Salem-Doddridge County Line, 1.54 miles for grading, draining and paving with concrete. Certified check $2,000.

Project 3199—Webster County—McGuire Gap to Webster Springs, 2.23 miles for grading and draining. Certified check $1,500.

Project 126—Preston County—Northwestern Turnpike, from Aurora to the Maryland State Line, 4 miles for grading and draining. Certified check $2,500.

Project 3159—Lewis County—6.56 miles of the Staunton and Parkersburg Pike between Weston and the Upshur County Line for grading, draining and paving with concrete. Certified check for $10,000.

Project 3146—Grant County—9 miles Petersburg toward Maysville Road for grading and draining. Certified check $3,500.

Project 3149—Tannery Bridge No. 831—Grant County over Lunice Creek 130 ft. steel through truss concrete substructure. Separate proposals will be received for substructure. Certified check $500 and superstructure certified check for $500.

Project 3010—Mineral County—10.5 miles Northwestern Turnpike from New Creek to Hampshire County Line for paving with waterbound macadam. Certified check $6,000.

Project 3011-B—Hampshire County—5 miles of the Mineral County Line—Mechanicsburg Gap Road for paving with waterbound macadam. Certified check for $3,000.

Projects 2039, 2040, 2041, 2042, 2043, 2044 and 3060—Mercer County—32 miles cleaning and tar cold surface application, including furnishing and applying stone chips. Certified check $500.

Project 87—Mason County—4.5 miles cleaning and tar cold surface application, including furnishing and applying stone chips. Certified check $500.

Proposals will be received only upon State Standard forms, in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the Division Engineer in whose territory the proposed construction work is located or from the office of the State Road Commission at Charleston, W. Va.

Each proposal must be accompanied by a certified check in the amount above specified.

The right is reserved to reject any and all proposals.

THE STATE ROAD COMMISSION OF WEST VIRGINIA.

E. B. CARSKADON, Secretary.

U. S. GOVERNMENT

COMMISSIONERS, D. C., WASHINGTON, February 9, 1923. Sealed proposals will be received at Room 509, District Building, until 2 o'clock p.m., March 1st, 1923, for paving streets with concrete aggregating about 140,000 square yards. For detailed information apply to Room 427, District Building.

SEALED PROPOSALS, indorsed "Proposals for Stack, Gulfport, Miss., Specification No. 4781," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., Feb. 21, 1923, and then and there publicly opened, for a radial brick stack on a concrete foundation, at the U. S. Veterans' Hospital, Gulfport, Miss. Specification No. 4781 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the specification. L. E. GREGORY, Chief of Bureau, January 5, 1923.

UNITED STATES ENGINEER OFFICE, Room 616, Army Building, New York City—Sealed proposals will be received here until 12 o'clock Noon, March 2, 1923, and then opened, for dredging in Shrewsbury River, N. J. Further information on application.

Compensation Insurance

Some contractors "give" this insurance to a friend, either personal or political. How many, we wonder, "engage" the services of a specialist to advise them right in the intricate problems that arise in this business.

Alfred S. Hamilton
110 William St., New York

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, Room 716, Army Building, 39 Whitehall Street, New York, N. Y. Sealed proposals will be received here until 12 m., March 15, 1923, and then opened, for dredging in Newtown Creek, New York, N. Y. Further information on application.

SEALED PROPOSALS, indorsed "Proposals for Hospital Construction, Gulfport, Miss., Specification No. 4774," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., Feb. 26, 1923, and then and there publicly opened, for the following work at the U. S. Veterans' Hospital, Gulfport, Miss.

Part I. New buildings, roads and walks; and removing existing building, roads and walks. The work includes plain and reinforced concrete; cast concrete; hollow tile work; structural steel; interior marble work; wood framing, sash, doors and finish; stucco; plaster and metal lath; tile, prepared and built-up roofing; sheet metal work; steel sash; steel covered sash and doors; miscellaneous steel and iron work; hardware; painting and glazing; and dumbwaiters.

Part II. Plumbing work inside the buildings, and outside sewers and drains, including soil, vent and drain piping; hot and cold water lines; interior stand pipe system; all valves, fittings, plumbing fixtures, and floor drains.

Part III. Complete heating and steam distributing systems for each building and an outside steam distributing system including high pressure and vacuum return lines; hot water heaters; underground concrete trenches; manholes; and cast iron manhole frames and covers.

Part IV. Lighting systems for each building; power systems and telephone conduits in certain buildings; and outside electric distributing systems including transformers, panel boards, fixtures, conduits, fibre ducts, and wiring.

Part V. Boiler plant equipment and piping, including brick settings for return tubular boilers, smoke flue, feed water heater, steel storage tanks, feed water and vacuum pumps, combined twin pump and receiver, fuel oil pumps and heater, motor-driven sludge pump, drip traps, incinerator with hot water heating and sterilizing equipment, complete piping systems for all apparatus, and the installation of horizontal return tubular boilers furnished by the Government.

Drawings and specification No. 4774 may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C. Deposits of checks or postal money orders, payable to the Chief of the Bureau of Yards and Docks, are required as security for the safe return of the drawings and specifications. Deposits shall be in the following amounts: Part I—$50, Part II—$50, Part III—$25, Part IV—$25, Part V—$15; and complete (all parts) $100. L. E. Gregory, Chief of Bureau, January 5, 1923.

U. S. ENGINEER OFFICE, GALVESTON, TEX., Sealed proposals will be received here until 11 a.m., Feb. 21, 1923, and then opened, for dredging channels at Brazos Island Harbor, Texas. Further information on application.

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock, noon, March 7, 1923, and then opened, for dredging in Connecticut River, Conn. Further information on application.

U. S. ENGINEER OFFICE, FLORENCE, ALA.—Sealed proposals will be received here until 11 A.M., February 17, 1923, and then opened, for furnishing displacement tanks for the regulating gates of Wilson Dam. Further information on application

U. S. ENGINEER OFFICE, FLORENCE, ALA.—Sealed proposals will be received here until 11 A. M., February 21, 1923, and then opened, for furnishing castings and other parts for the regulating gates of Wilson Dam. Further information on application.

U. S. GOVERNMENT

SEALED PROPOSALS, indorsed "Proposals for Refrigerating Equipment, Gulfport, Miss., Specification No. 4780," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., Feb. 21, 1923, and then and there publicly opened, for refrigerating and ice-making equipment, using as refrigerant any satisfactory substance except ammonia, and consisting of motor-driven compressors, condensers, liquid receiver, motor-driven brine pumps, combination freezing and brine-cooling tank with expansion coils, water-precooler tank with coils, charcoal filters, brine agitator, water-agitating system by compressed air, automatic can filler, hand-operated can hoist, automatic can dump and ice chute, ice cans, oil and scale traps, piping and other accessories; and for coldstorage rooms with insulation for compartments including doors, floors, and equipment for the storage and handling of goods at the U. S. Veterans' Hospital, Gulfport, Miss. Drawings and Specification No. 4780 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, January 5, 1923.

DEPARTMENT OF THE INTERIOR, UNITED STATES RECLAMATION SERVICE, Washington, D. C., February 3, 1923. Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 o'clock p.m., March 13, 1923, for furnishing one hydraulic turbine with synchronous by-pass valve for the Pilot Butte power plant, Riverton project, Wyoming. For particulars, address the United States Reclamation Service, Denver, Colorado, or Washington, D. C. A. P. Davis, Director.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, WILMINGTON, DEL.—Sealed proposals will be received here until 11 A.M., Feb. 24, 1923, and then opened, for constructing and delivering one steel quarter boat and two steel barges. Further information on application.

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to see where bids are desired on contracts suited to their available plant and organization. The suggestion is therefore made to advertisers that they word their advertisements so that the contractor will get a good idea of the size and kind of work to be let, and perhaps the plant needed. This should result in an increased number of desirable bidders.

DEPARTMENT OF THE INTERIOR, UNITED STATES RECLAMATION SERVICE, Washington, D. C., February 3, 1923. Sealed proposals will be received at the office of the United States Reclamation Service, Denver, Colo., until 2 o'clock p.m., March 13, 1923, for furnishing one 1,000 kva. generator, transformers, and switching apparatus for the Pilot Butte power plant, Riverton project, Wyoming. For particulars, address the United States Reclamation Service, Denver, Colorado, or Washington, D. C. A. P. Davis, Director.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, Nashville, Tenn. Sealed proposals will be received here until 11 a.m., March 6, 1923, and then opened, for one electric towboat. Further information on application.

U. S. ENGINEER OFFICE, Florence, Ala.—Sealed proposals will be received here until 11 a.m., March 12, 1923, and then opened, for the construction and delivery of one steel barge 60 ft. by 22 ft. by 4 ft. Further information on application.

U. S. ENGINEER OFFICE, HUNTINGTON, W. VA.—Sealed proposals will be received here until 11 a.m., March 17, 1923 and then opened for constructing two two-story, twelve-room, lockkeepers' double houses at each of Dams Nos. 14 and 26, Ohio River. Further information on application.

SEALED PROPOSALS, indorsed "Proposals for Distilling Apparatus and Heater, Guantanamo, Cuba, Specification No. 4769," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C. until 11 o'clock a.m., Feb. 28, 1923, and then and there publicly opened, for furnishing and installing sea-water distilling apparatus having a capacity of 25,000 gallons per 24 hours when operating as a quadruple effect at the Naval Station, Guantanamo, Cuba; also the furnishing and delivery of a closed feed water heater which will be installed by the Government. The Government will furnish all labor except skilled erector who shall supervise the installation of the distilling apparatus. Drawings and Specification No. 4769 may be obtained on application to the bureau. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, January 30, 1923.

EMPLOYMENT

POSITIONS VACANT — POSITIONS WANTED

POSITIONS VACANT

ASSISTANT engineer for State Bureau of Public Health, Santa Fe, New Mexico. University graduate in sanitary engineering, with not less than three years' experience in waterworks and sewage disposal. Beginning salary $2,400 and travel expenses. Give full particulars, training, experience, references, in letter of application, to Director of Public Health, Santa Fe, New Mexico.

A-1 FOREMAN wanted for reinforced concrete and brick buildings; state age, salary and references. P-699, Eng. News-Record, 10th Ave. at 36th St., New York.

A WELL KNOWN manufacturer of gypsum roofs desires to make a permanent connection with a progressive sales engineer, now calling on the engineers, contractors and architects in the New England states. Give present connections, headquarters, experience, etc., when writing. P-703, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

COMPRESSED air; experienced inspectors wanted on masonry tunnel construction under high air pressure. Apply in person. Passaic Valley Sewerage Commissioners, 128 Market Street, Newark, N. J.

WORKS MANAGER

Wanted by old established and progressive Company fabricating and erecting STRUCTURAL STEEL, plate work, concrete bars, etc. Man preferred with engineering experience. Advise age, present and past employment, salary expected and reference, and when could report.

P-709, Engineering News-Record,
1570 Old Colony Bldg., Chicago, Ill.

POSITIONS VACANT

CHIEF draftsman wanted to take complete charge drafting room, Middle West structural plant. Principally industrial mining and bridge structures. Capacity 1,000 tons per month. Position permanent and excellent opportunity for man with executive ability. Apply giving experience, age, married or single and salary expected to P-670, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

DETAILER for structural steel and ornamental iron; state age, experience and salary; permanent position for righ man; location, Connecticut. P-478, Eng. News-Record, 10th Ave. at 36th St., New York City.

DRAFTSMEN

First class men with experience on conveying machinery, structural and mechanical work. Reply must give experience fully, salary expected and when available.

Pittsburgh Plate Glass Company
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POSITIONS VACANT

DRAFTSMAN, with some engineering experience. Knowledge of mill construction and structural work in steel, wood and concrete necessary. Should be able to estimate. Temporary engagement. Reply stating age, if married, details of experience, references and salary desired. Security Cement & Lime Company, Hagerstown, Maryland.

DRAFTSMEN calculators wanted on special track work. With or without experience but must have thorough working knowledge of mathematics. P-658, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

DRAFTSMEN, structural detailers and checkers wanted for heavy bridge work and buildings. State qualifications and salary expected. Bethlehem Steel Company, Bridge and Fabrication Department, Steelton, Penna.

DRAFTSMEN—Mechanical, experienced in mechanical and chemical layout work, power house layout work, and machine design. Give age, experience and salary expected. Apply to the Engineering Department. E. I. Du Pont de Nemours & Company, Inc., Wilmington, Delaware.

DRAFTSMAN—experienced in structural steel reinforced concrete and general building construction; hydro-electric work; position probably temporary; give full particulars of experience, age, references, date available and salary expected in first letter. Drawer A, Potsdam, New York.

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DRAFTSMEN experienced in detailing and checking structural steel for buildings, permanent position for efficient men. Give age, experience, references. We operate throughout entire United States. International Steel & Iron Co., Evansville, Indiana.

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EXPERIENCED structural detailers and checkers; state age, experience, nationality, education and salary expected, in first letter. Indiana Bridge Company, Muncie, Indiana.

EXPERIENCED detailer and checker on shop drawings for structural shop. Give age, experience, etc. Stupp Bros. B. & I. Co., St. Louis, Mo.

EXPERIENCED structural steel detailers wanted. Also experienced structural steel estimator and designer. Permanent position. St. Louis Structural Steel Company, St. Louis, Missouri.

EXPERIENCED structural steel detailers and checkers; day and evening work. Weinberger & Weishoff, Inc., 345 Madison Ave., New York.

FIRST-CLASS structural steel detailers and checkers with experience on mill buildings, office buildings, etc. Position in Pittsburgh district. State experience and salary desired. P-525, Eng. News-Record, Leader-News-Bldg., Cleveland, O.

MUNICIPAL draftsman and designer, must have ability to design sewers, streets and concrete and make neat plats. Salary $150-$175. Give references and full details of experience in first letter. Address Kenneth Markwell, Chief Draftsman, City Engineer Department, Memphis, Tennessee.

POSITIONS VACANT

MAN wanted, experienced in purchase and sale of used contractors and railroad equipment in the East. Interest in business if results justify. P-691, Eng. News-Record, 10th Ave. at 36th St., New York.

ORNAMENTAL draftsman on iron work in metropolitan district. Kindly state salary, age and experience or application will not be considered. P-700, Eng. News-Record, 10th Ave. at 36th St., New York City.

POWER plant engineer wanted, located in Missouri. State fully experience, references, education, age, married or single, salary expected. P-694, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

SALES engineer wanted who is thoroughly conversant with modern concrete highway construction to join sales force of a national manufacturer of road building equipment in the Pittsburgh District. Preference given to man understanding general construction as well. P-686, Eng. News-Record, Leader-News Bldg., Cleveland, Ohio.

SEVERAL bridge designers and draftsmen wanted for State Highway Department in the Middle West. Should have at least two years' concrete and steel designing and preferably several years of general engineering experience. Give complete statement of experience and earliest date available. Submit sample of work if possible. Initial salary about $175.00 per month. P-449, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

STRUCTURAL detailer with ability to design steel for buildings. State experience and reference, also salary desired. Permanent position if satisfactory. Apply James McKinney & Son, Albany, N. Y.

SUPERINTENDENT wanted for sand and gravel bank. Must understand machinery and have had at least ten years' experience in a plant having crushing, screening and washing machinery. Must understand loading and measuring scows. Best reference required. P-688, Eng. News-Record, 10th Ave. at 36th St., New York.

WELL known manufacturer of gypsum roofs desires to make a permanent connection with a progressive sales engineer, now calling on the engineers, contractors and architects in the Southern states east of the Mississippi. Give present connections, headquarters, experience, etc., when writing. P-704, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

EMPLOYMENT AGENCIES

SEVERAL draftsmen wanted immediately on structural steel, concrete conveyors, special track work and ornamental iron, also recent engineering graduates and some shop foremen. Cleveland Engineering Agency, Rose Building, Cleveland, Ohio.

STRUCTURAL designers, draftsmen and detailers. We have over fifty vacancies for qualified men. Write fully your experience first letter. Harrison Employment Service, 19 S. La Salle St., Chicago, Ill.

EMPLOYMENT SERVICE

STRUCTURAL draftsmen and detailers. We have over fifty positions for experienced and qualified men. Write fully first letter. H. H. Harrison & Co., Employment Service, 19 S. La Salle St., Chicago, Ill.

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